JOURNEY TO THE CLOUD

SCAF 2021-10-07

Daniel Nisell

WHAT TO TALK ABOUT

Not Cloud, but OOTB

What DS means when talking about Cloud

First step towards Cloud

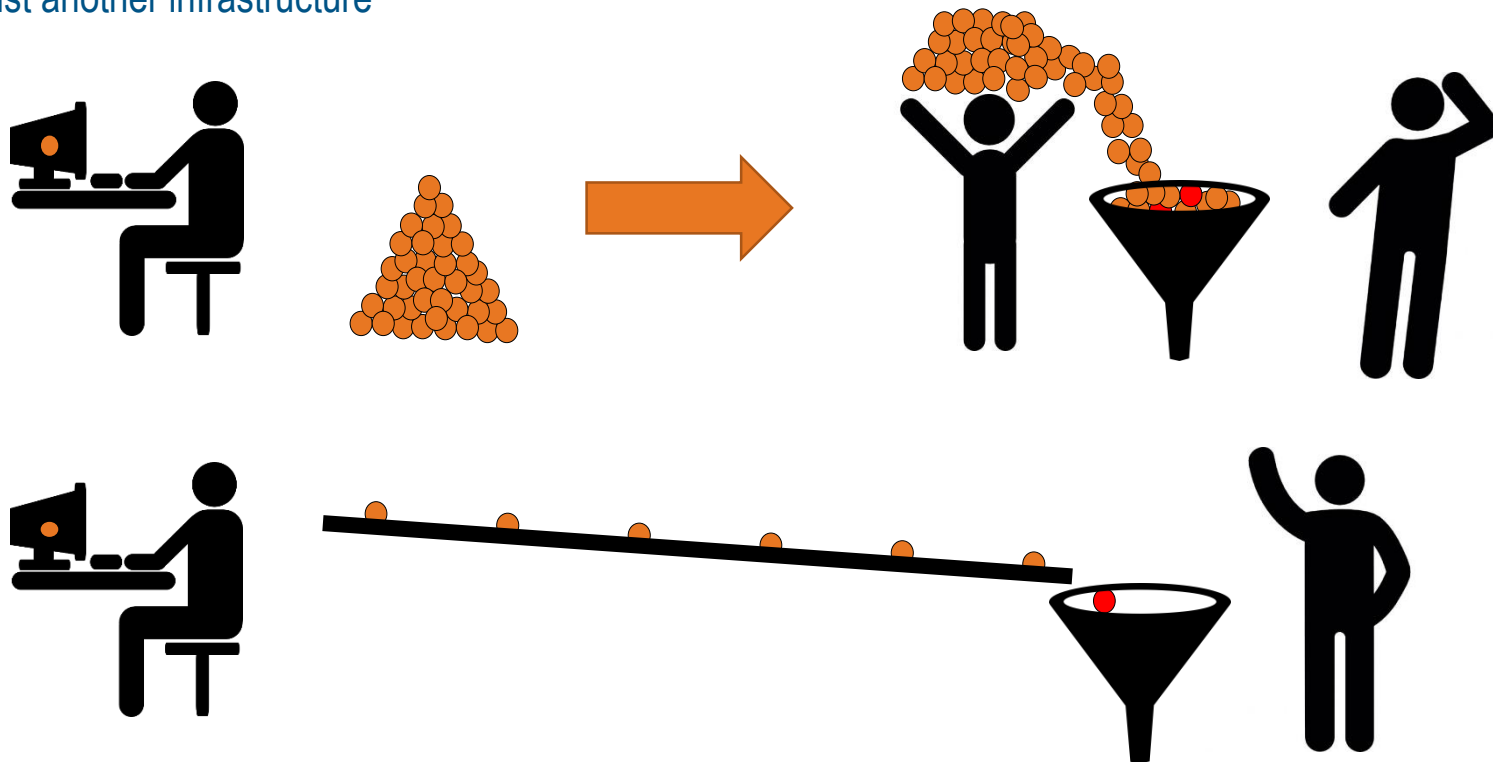A typical journey from on-prem to the Cloud

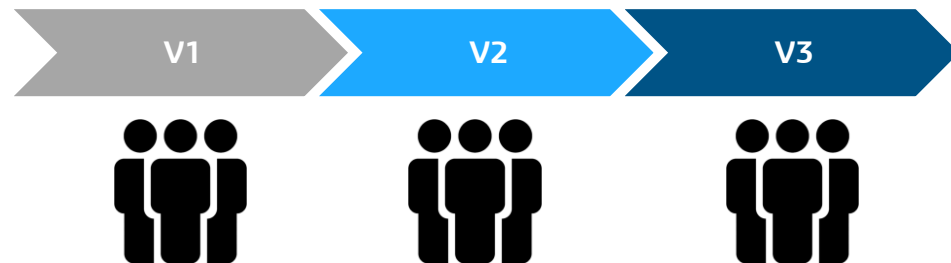Key messages

Q&A

NOT CLOUD, BUT OOTB

NOT CLOUD, BUT OOTB

Cloud is just another infrastructure
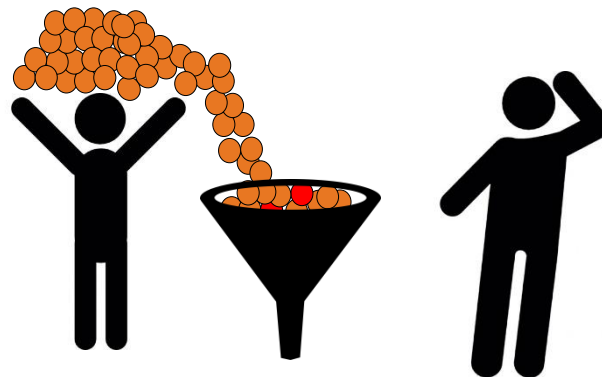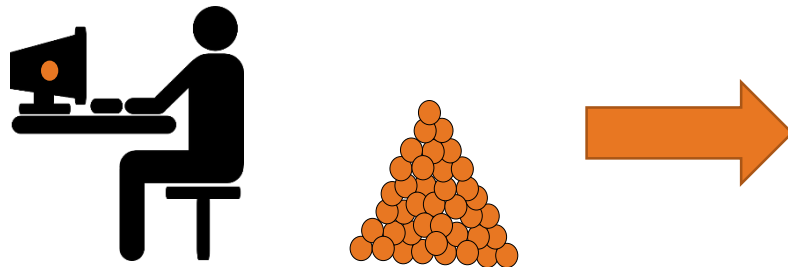
NOT CLOUD, BUT OOTB

Cloud is just another infrastructure

NOT CLOUD, BUT OOTB

Cloud is just another infrastructure

- Faster deliveries

- Reduce lead time on deployments and validation

- More focus on new functionality and bug fixes on latest release

- Best infrastructure to deploy OOTB is on a Cloud

WHAT DS MEANS WHEN TALKING ABOUT CLOUD

3DS DASSAULT SYSTEMES

WHAT DS MEANS WHEN TALKING ABOUT CLOUD

On-premises	IaaS	PaaS	SaaS
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

STANDARDIZATION / OOTB →

← **CUSTOMIZATION**

DASSAULT SYSTEMES

WHAT DS MEANS WHEN TALKING ABOUT CLOUD

Cloud provider Data center

PUBLIC Cloud

IaaS
PaaS
SaaS

Internet

3DEXPERIENCE ID

Multiple companies

Multi tenant

PRIVATE Cloud

IaaS
PaaS
SaaS

Site to site **VPN**

3DEXPERIENCE ID
LDAP

One company

Single tenant

DEDICATED *
Cloud

IaaS
PaaS
SaaS

One company

Single tenant

Company Data Center

PaaS

**Dassault Systèmes
Control Center**

Certified Cloud Operators

**All Monitoring and
Operations done by 3DS**
(including Provisioning,
Maintenance and Upgrades)

DASSAULT SYSTEMES

FIRST STEP TOWARDS CLOUD

FIRST STEP TOWARDS CLOUD

Example CATIA V5 PowerBy

PowerBy	Access	Sync	Simulate

- Install PowerBy to connect CATIA V5 with the 3DEXPERIENCE

- Give the right access to the right users who should get access to CAD files

- Sync between V5 and 3DEXPERIENCE

- Pick up CAD files for example simulation in SIMULIA HPC Cloud
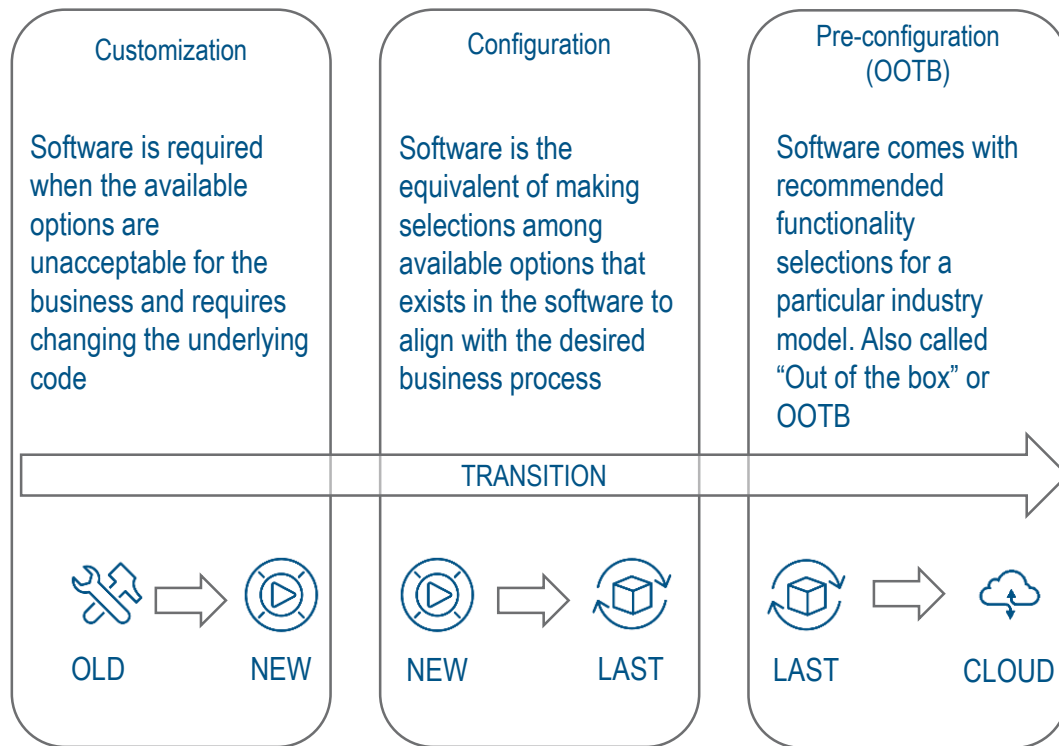
DS DASSAULT SYSTEMES

FIRST STEP TOWARDS CLOUD

https://widgetfactory.extranet.3ds.com/api/download/WebDAV/file/CloudPoweredSimulations/public/Connecting-From-CatiaV5.mp4
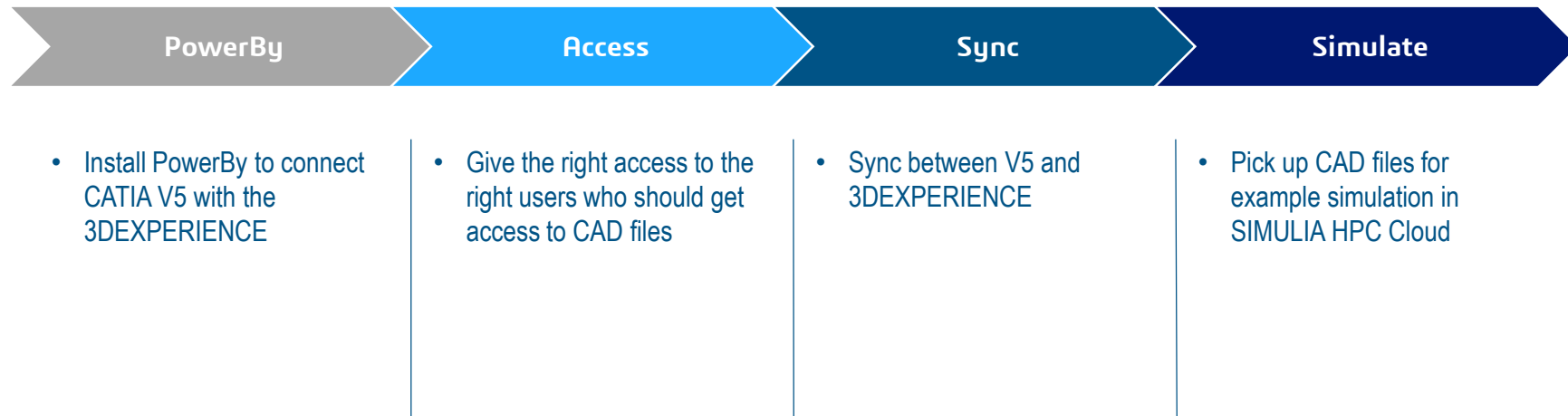
A TYPICAL JOURNEY FROM ON-PREM TO CLOUD

A TYPICAL JOURNEY FROM ON-PREM TO CLOUD

OLD	NEW	LAST	CLOUD
Legacy system	Adopter of latest Major release	Adopter of latest FD release	Adopter of Cloud (SAAS exclusively)

Customisation	Configuration	Pre-configuration (OOTB)

3DS DASSAULT SYSTEMES

A TYPICAL JOURNEY FROM ON-PREM TO CLOUD

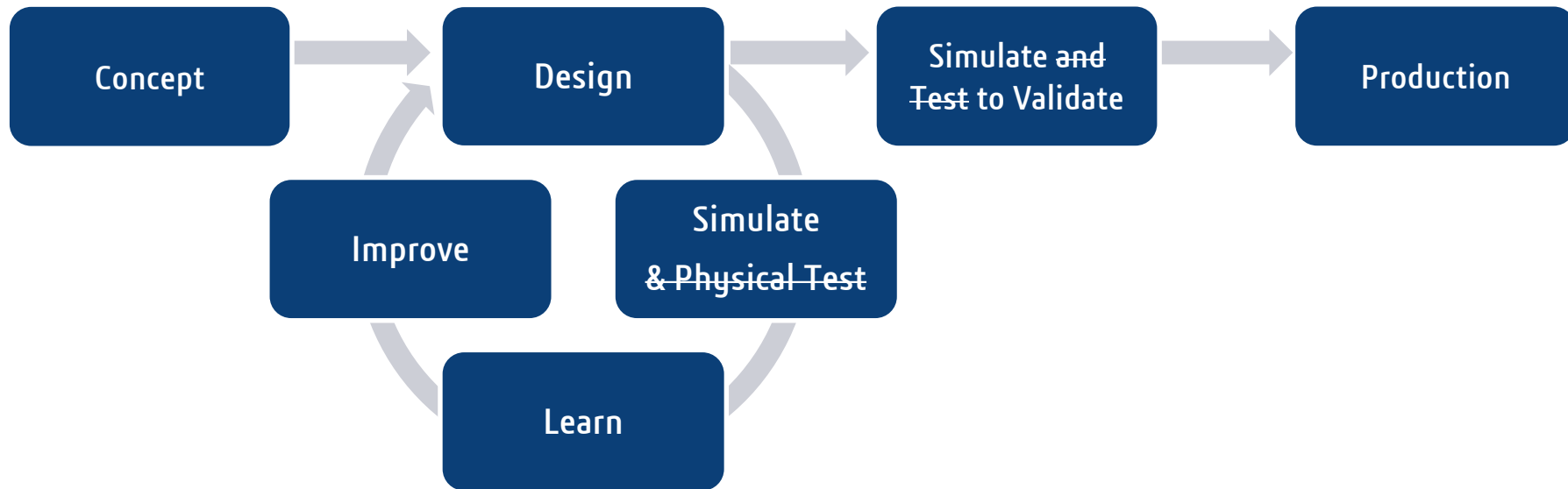| Customization	Configuration	Pre-configuration (OOTB)
Software is required when the available options are unacceptable for the business and requires changing the underlying code	Software is the equivalent of making selections among available options that exists in the software to align with the desired business process	Software comes with recommended functionality selections for a particular industry model. Also called "Out of the box" or OOTB

TRANSITION

OLD → NEW   NEW → LAST   LAST → CLOUD

A TYPICAL JOURNEY FROM ON-PREM TO CLOUD

https://dsxoffer/RTM2e/SIMULIA/SIMULIA_2014/index/
VARs/video/Wheel-rim-ModSim-Story-SHOW-
CUSTOMER-DO-NOT-DISTRIBUTE.mp4

A TYPICAL JOURNEY FROM ON-PREM TO CLOUD

On the same platform, collaboration becomes easier

```
Concept  →  Design  →  Simulate ~~and Test~~ to Validate  →  Production

          Improve        Simulate & ~~Physical Test~~

                 Learn
```

DS DASSAULT SYSTEMES

KEY MESSAGE

- DS is moving more towards OOTB on Cloud
- A series of solutions are already available to connect legacy systems with 3DEXPERIENCE
- A series of new functionalities needs to be created in dialogue with our user base
- Going from on-prem to OOTB on cloud can take time. But the planning can start now

Questions?